



LISTING OF THE CLAIMS

This listing of claims will replace the prior version of claims in the application.

What is claimed is:

CLAIMS

What is claimed is:

- 1 1. (Original) A snap ring, comprising:
2 a ring with an interior contour that extends about an opening and has a first interior edge
3 bordering a first face of the snap ring and a second interior edge bordering a second face of the
4 snap ring, the first interior edge having a cross-sectional profile that includes die roll, and the
5 second interior edge having a cross-sectional profile that is blunted.
- 1 2. (Original) The snap ring of claim 1, wherein said blunted cross-sectional profile
2 is a rounded profile at least at a point within a region of the interior contour where contact with
3 another solid object occurs during installation of the snap ring.
- 1 3. (Original) The snap ring of claim 1, wherein said blunted cross-sectional profile
2 is a beveled profile at least at a point within a region of the interior contour where contact with
3 another solid object occurs during installation of the snap ring.
- 1 4. (Original) The snap ring of claim 2, wherein said rounded profile is
2 characterized by a radius of curvature that is chosen to be in the design range of 40% to 85% of
3 the thickness of the snap ring.

1 5. (Original) The snap ring of claim 3, wherein said beveled profile is characterized
2 by a bevel angle that is chosen to be in the design range of 10 to 40 degrees from the vertical
3 axis.

1 6. (Original) The snap ring of claim 3, wherein said beveled profile is characterized
2 by a bevel depth that is chosen to be in the design range of 60% to 85% of the thickness of the
3 snap ring.

1 7. (Original) An actuator arm assembly for an information storage device,
2 comprising:
3 an actuator; and
4 an actuator pivot bearing; and
5 a snap ring retaining the actuator pivot bearing relative to the actuator, the snap ring
6 having an interior contour that extends about an opening and has a first interior edge bordering a
7 first face of the snap ring and a second interior edge bordering a second face of the snap ring, the
8 first interior edge having a cross-sectional profile that includes die roll, and the second interior
9 edge having a cross-sectional profile that is blunted.

1 8. (Original) The actuator arm assembly of claim 7, wherein said blunted cross-
2 sectional profile is a rounded profile at least at a point within a region of the interior contour
3 where contact with another solid object occurs during installation of the snap ring.

1 9. (Original) The actuator arm assembly of claim 7, wherein said blunted cross-
2 sectional profile is a beveled profile at least at a point within a region of the interior contour
3 where contact with another solid object occurs during installation of the snap ring.

1 10. (Original) The actuator arm assembly of claim 8, wherein said rounded profile is
2 characterized by a radius of curvature that is chosen to be in the design range of 40% to 85% of
3 the thickness of the snap ring.

1 11. (Original) The actuator arm assembly of claim 9, wherein said beveled profile is
2 characterized by a bevel angle that is chosen to be in the design range of 10 to 40 degrees from
3 the vertical axis.

1 12. (Original) The actuator arm assembly of claim 9, wherein said beveled profile is
2 characterized by a bevel depth that is chosen to be in the design range of 60% to 85% of the
3 thickness of the snap ring.

1 13. (Withdrawn) A method to manufacture a snap ring, comprising:
2 stamping an interior contour that extends about an opening,
3 forming a blunted cross-sectional profile on an edge opposite an edge having die roll
4 caused by said stamping.

1 14. (Withdrawn) The method of claim 13 wherein said forming a blunted cross-
2 sectional profile comprises coining a rounded cross-sectional profile.

1 15. (Withdrawn) The method of claim 13 wherein said forming a blunted cross-
2 sectional profile comprises coining a beveled cross-sectional profile.

1 16. (Withdrawn) A method for assembling an actuator arm assembly in an
2 information storage device, comprising:

3 fabricating a snap ring, wherein said fabricating includes stamping an interior contour
4 that extends about an opening, and forming a blunted cross-sectional profile on an edge opposite
5 an edge having die roll caused by said stamping; and
6 installing the snap ring onto an actuator pivot bearing.

1 17. (Withdrawn) The method of claim 16 wherein said installing includes contact
2 between the snap ring and another solid object in at least one contacting region along the interior
3 contour.

1 18. (Withdrawn) The method of claim 17 wherein said solid object includes an
2 installation cone having a cylindrical cross-section.

1 19. (Withdrawn) The method of claim 17 wherein said forming a blunted cross-
2 sectional profile comprises coining a rounded cross-sectional profile at least in said contacting
3 region.

1 20. (Withdrawn) The method of claim 17 wherein said forming a blunted cross-
2 sectional profile comprises coining a beveled cross-sectional profile at least in said contacting
3 region.